

### **ABSTRACT**

A plate type heat exchanger employing flat tubes, which can be manufactured easily and has a high heat exchange performance, is provided. A thin strip-shaped metal plate 18 is cut in the width direction remaining small connected portions 1 and many cut portions 2 are disposed at fixed intervals in the longitudinal direction, and slits 3 are formed in the both sides of the cut portions 2 having the same as a center. The strip-shaped metal plate 18 is bent at the connected portions 1 in a manner of zigzag to form an aggregation 24 of fin elements and the flat tubes 4 are engaged with the front and rear sides of the aggregation 24 of the fin elements.